

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.07.2022

Version number 2

Revision: 23.05.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name Rigips Korrosionsschutzspray

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Rigips GmbH

Schanzenstraße 84

D-40549 Düsseldorf

Germany

Phone: +49 (0)211 5503 - 0

forschung-entwicklung@rigips.de

1.4 Emergency telephone number:

+49 (0)30 30686700

Charité Berlin, 24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07

Signal word Danger

Hazard-determining components of labelling:

acetone

Solvent naphtha (petroleum), light arom.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

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n-butyl acetate

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture consisting of the following components.

Dangerous components:

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-xxxx	ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane liquefied ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-25%

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CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane, pure ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-25%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-xxxx	acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≥5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-xxxx	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	2-5%
CAS: 112-07-2 EINECS: 203-933-3 Index number: 607-038-00-2	2-butoxyethyl acetate ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332	2-5%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	2-5%
CAS: 64742-48-9 EC number: 919-857-5 Reg.nr.: 01-2119463258-33-xxxx	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	2-5%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4 Reg.nr.: 01-2119486773-24-xxxx	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H331; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336	≥2.5-<5%
CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32-xxxx	zinc oxide ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<1%
CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8 Reg.nr.: 01-2119456619-26-xxxx	Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 %	≥0.25-<1%

SVHC Void**Additional information** For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Generally the product does not irritate the skin.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Rinse liquid should be tempered (20-30°C).

After swallowing If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources

6.2 Environmental precautions:

The product must not get into watercourses or into the soil.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up:

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Keep receptacles tightly sealed.

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Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

Store only in unopened original receptacles.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

DNELs

CAS: 67-64-1 acetone

Oral	Derived No Effect Level	62 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	186 mg/kgxday (worker systemic long term value)
		62 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	1,210 mg/m ³ (worker systemic long term value)
		200 mg/m ³ (consumer systemic long term value)

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Oral	Derived No Effect Level	300 mg/kgxday (consumer systemic short term value)
Dermal	Derived No Effect Level	300 mg/kgxday (worker systemic long term value)
		300 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	1,500 mg/m ³ (worker systemic long term value)
		900 mg/m ³ (consumer systemic long term value)

CAS No. Designation of material % Type Value Unit

CAS: 67-64-1 acetone

IOELV | Long-term value: 1210 mg/m³, 500 ppm

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

IOELV | Short-term value: 550 mg/m³, 100 ppm
Long-term value: 275 mg/m³, 50 ppm
Skin

CAS: 112-07-2 2-butoxyethyl acetate

IOELV | Short-term value: 333 mg/m³, 50 ppm
Long-term value: 133 mg/m³, 20 ppm
Skin

CAS: 123-86-4 n-butyl acetate

IOELV | Short-term value: 723 mg/m³, 150 ppm
Long-term value: 241 mg/m³, 50 ppm

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8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands: Protective gloves.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR

Nitrile rubber, NBR

Eye protection: Safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Aerosol
Colour:	Silver-coloured
Odour:	Like aromatic solvents
Odour threshold:	Not determined.

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Not applicable, as aerosol

Flash point: Not applicable, as aerosol

Flammability (solid, gas): Not applicable.

Ignition temperature: >200 °C (>392 °F) (DIN 51794)

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Not determined.

Explosion limits:

Lower:	1.3 Vol % (DIN 51649)
Upper:	15 Vol % (DIN 51649)

Oxidising properties Not determined.

Vapour pressure at 20 °C (68 °F): 4,200 hPa (3.200 mm Hg) (DIN 51640)

Density at 20 °C (68 °F): 0.72 g/cm³ (6.0084 lbs/gal) (DIN 51757)

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Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.

Solubility in / Miscibility with Water:	Not miscible or difficult to mix
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Segregation coefficient (n-octanol/water) log Pow:	Not determined.
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Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solvent content:	
Organic solvents:	80-<135 %
EU-VOC (%)	86.9200 %
EU-VOC (g/L)	634.4000 g/l

9.2 Other information	No further relevant information available.
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SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable at recommended storage conditions

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Components	Type	Value	Species
CAS: 64-17-5 ethanol			
Oral	LD50	6,200 mg/kg (Rat)	
Inhalative	LC50/4 h	124.7 mg/l (Rat)	
CAS: 67-64-1 acetone			
Oral	LD50	5,800 mg/kg (Rat)	
Dermal	LD50	20,000 mg/kg (rbt)	
Inhalative	LC50/4 h	76 mg/l (Rat)	
CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
Oral	LD50	>5,000 mg/kg (Rat)	
Dermal	LD50	>5,000 mg/kg (Rabbit)	

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CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>5 mg/l (Rat)

Primary irritant effect:
Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Additional toxicological information:
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:

Harmful to aquatic life with long lasting effects (H412).

Harmful to aquatic life with long lasting effects.

Type of test Effective concentration Method Assessment
CAS: 64-17-5 ethanol

LC50/48h	8,150 mg/l (Leuciscus idus (Orfe))
EC50/48h	>9,268 mg/l (Daphnia magna)
EC 0	6,500 mg/l (Pseudomonas putida (Bacteria))

CAS: 67-64-1 acetone

LC50/48h	>12,600 mg/l (Daphnia magna)
LC50/96h	8,300 mg/l (Lepomis macrochirus (Sunfish))
	5,540 mg/l (Oncorhynchus mykiss (Rainbow trout))
NOEC (21d)	>79 mg/kg (Daphnia magna)

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

LC50/48h	>1,000 mg/l (Oncorhynchus mykiss (Rainbow trout))
EC50/48h	>1,000 mg/l (Daphnia magna)
NOEC (21d)	0.23 mg/kg (Daphnia magna)

CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

LC50/96h	9.22 mg/l (Oncorhynchus mykiss (Rainbow trout))
EC50/48h	6.14 mg/l (Daphnia magna)

12.2 Persistence and degradability No further relevant information available.

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Method	
CAS: 67-64-1 acetone	
Biod. (28d)	90.9 % (Biodegradation)
CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Biod. (28d)	80 % (Activated sludge)

Behaviour in environmental systems:

Components:	
CAS: 67-64-1 acetone	
DT50-value (Degradation Half Time)	10 day

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish

Other information:	
CAS: 67-64-1 acetone	
Chemical Oxygen Demand (COD)	1,920 mg O ₂ /g (Biodegradation)
BOD (5)	1,850 mg O ₂ /g (Biodegradation)

Additional ecological information:

General notes:

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

European waste catalogue	
16 05 04*	gases in pressure containers (including halons) containing hazardous substances
15 01 04	metallic packaging
15 01 02	plastic packaging
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP14	Ecotoxic

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Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN1950

14.2 UN proper shipping name

ADR
IMDG
IATA

1950 AEROSOLS
AEROSOLS
AEROSOLS, non-flammable

14.3 Transport hazard class(es)

ADR



Class
Label

2.5A Gases.
2.2

IMDG, IATA



Class
Label

2.2 Gases.
2.2

14.4 Packing group
ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user
Hazard identification number (Kemler code):
EMS Number:
Stowage Code

Warning: Gases.
-
F-D,S-U
SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.

Segregation Code

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	For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
Transport category	3
Tunnel restriction code	E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.2

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

CAS: 67-64-1 | acetone

Regulation (EC) No 273/2004 on drug precursors

CAS: 67-64-1 | acetone

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Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors		
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CAS: 67-64-1	acetone	3
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15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H220 Extremely flammable gas.
 H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H280 Contains gas under pressure; may explode if heated.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H331 Toxic if inhaled.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.

Department issuing SDS: Ladenburg Development Center (LDC)

Contact:

Gypsum Development
 +49 (0)621 4701 - 691
 forschung-entwicklung@rigips.de

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organisation
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern (REACH regulation)
 vPvB: very Persistent and very Bioaccumulative
 Flam. Gas 1A: Flammable gases – Category 1A
 Aerosol 1: Aerosols – Category 1
 Press. Gas (Comp.): Gases under pressure – Compressed gas
 Flam. Liq. 2: Flammable liquids – Category 2

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Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.